

IN THE CLAIMS

1. (currently amended) A receiving apparatus ~~capable of~~
for receiving a signal via over a plurality of different kinds
of transmission media, said apparatus comprising:

receiving and demodulating means for performing at
least receiving and demodulating processes on said a signal
delivered over a particular one of the plurality of
different in accordance with the kinds of said transmission
medium; and

main control means for receiving a request for a
particular program or channel, for controlling said
receiving and demodulating means and generating a control
command based on the request, the control command using a
predefined command set and being independent of at least
one of the particular one of the plurality of different
kinds of transmission media and a reception zone where said
receiving and demodulating means is used, and for
transmitting the control command to said receiving and
demodulating means using a common communication protocol;

said receiving and demodulating means including:

signal processing means that includesing at least
a tuner and a demodulator for processing said the
received signal received via said transmission medium,
said processing means having and that includes a
control input, and said signal processing means being
associated with the particular one of the plurality of
different kinds of transmission media, responsive to
control data received at said control input;

interface means for transmitting to and receiving
the control command from said main control means and
for outputting the control command, for controlling
said processing means using a command set defined in
advance jointly by said interface means and said main

~~control means in accordance with a given communication protocol; and~~

process control means for receiving the outputted control command from said interface means, for reading out an associated one of a plurality of stored control programs in response to said the received control command, for controlling said processing means by converting the associated control program said control command into the control data for and that is recognizable by said signal processing means and which is associated with the particular one of the plurality of different kinds of transmission media, and for outputting the control data to said control input of said signal processing control means, containing a control program corresponding to different kinds of transmission media and producing control data depending upon a kind of transmission medium over which said signal was received

said signal processing means processing the received signal based on the received control data.

2. (currently amended) The receiving apparatus according to Claim 1, wherein ~~said the associated control program command is a common control command that is independent of said the particular one of the plurality of transmission media.~~

3. (currently amended) The receiving apparatus according to Claim 1, wherein ~~said the associated control program command is a common control command that is independent of a the reception zone where said processing means is used.~~

4. (currently amended) The receiving apparatus according to Claim 1, wherein said main control means includes ~~converting means for performing a converting process for transferring means whereby the said control command through is transmitted to said receiving and demodulating means over a bus.~~

5. (previously presented) The receiving apparatus according to Claim 4, wherein said bus is an IEEE 1394 serial bus.

6. (currently amended) A method ~~for~~ of receiving a signal ~~via~~ over at least one of a plurality of different kinds of transmission media, said method comprising:

~~performing~~ receiving and demodulating ~~processes~~ on ~~said a~~ signal ~~according to the~~ delivered over a particular one of the plurality of different kinds of said transmission media; and

~~controlling said receiving and demodulating,~~ processes ~~using a main control means which generates a control command;~~ wherein said receiving and demodulating processes including:

receiving a request for a particular program or channel,

generating a control command based on the request, the control command using a predefined command set and being independent of at least one of the particular one of the plurality of different kinds of transmission media and a reception zone where said receiving and demodulating is performed, ~~processing~~ said signal received via said transmission medium in response to control data;

~~transmitting to and receiving from said main control means a~~ the control command for controlling said processing step using a common command set defined in advance by said main control means in accordance with a given communication protocol, ~~and~~

receiving the control command,

reading out an associated one of a plurality of stored control programs in response to the received control command, ~~controlling said processing step by~~

~~converting said~~ the associated control program
~~command received from said main control means into~~
control data that is associated with the particular
one of the plurality of different kinds of
transmission media, and

processing the received signal based on the
control data, the control data being recognizable by
said processing step, said processing step being
associated with the particular one of the plurality of
~~the control data having different possible forms~~
~~corresponding to different kinds of transmission~~
media, ~~the control command being converted to a form~~
~~of the control data which corresponds to a kind of~~
~~transmission medium over which said signal was~~
received.

7. (new) A receiving apparatus for receiving a signal over a plurality of different kinds of transmission media, said apparatus comprising:

first receiving and demodulating means for at least receiving and demodulating a signal when the signal is delivered over a first one of the plurality of different kinds of transmission media;

second receiving and demodulating means for at least receiving and demodulating the signal when the signal is delivered over a second one of the plurality of different kinds of transmission media; and

first main control means for receiving a request for a particular program or channel, for generating a first control command based on the request, the first control command using a predefined command set, and for transmitting the first control command to said first receiving and demodulating means when the signal is delivered over the first one of the plurality of different

kinds of transmission media or to said second receiving and demodulating means when the signal is delivered over the second one of the plurality of different kinds of transmission media, said transmitting being carried out using a common communication protocol;

said first receiving and demodulating means including:

first signal processing means that includes at least a first tuner and a first demodulator for processing the received signal and that includes a first control input, said first signal processing means being associated with the first one of the plurality of different kinds of transmission media,

first interface means for receiving the control command from said first main control means and for outputting the control command, and

first process control means for receiving the outputted control command from said first interface means, for reading out an associated one of a plurality of stored control programs in response to the received control command, for converting the associated control program into first control data that is recognizable by said first signal processing means and which is associated with the first one of the plurality of different kinds of transmission media, and for outputting the first control data to said first control input of said first signal processing means,

said first signal processing means processing the received signal based on the first control data;

said second receiving and demodulating means including:

second signal processing means that includes at least a second tuner and a second demodulator for

processing the received signal and that includes a second control input, said second signal processing means being associated with the second one of the plurality of different kinds of transmission media,

second interface means for receiving the control command from said first main control means and for outputting the control command, and

second process control means for receiving the outputted control command from said second interface means, for reading out the associated one of the plurality of stored control programs in response to the received control command, for converting the associated control program into second control data that is recognizable by said second signal processing means and which is associated with on the second one of the plurality of different kinds of transmission media, and for outputting the second control data to said second control input of said second signal processing means,

said second signal processing means processing the received signal based on the second control data.

8. (new) The receiving apparatus according to Claim 7, further comprising:

wherein said first main control means generates a first control command based on the request, and transmits the first control command to a second main control means when the signal is delivered over the second one of the plurality of different kinds of transmission media using the common communication protocol,

said second main control means for receiving the control command, for converting the first control command into a second control command, and for transmitting the second control command

to said second interface means of said second receiving and demodulating means using the common communication protocol,

said second process control means of said second receiving and demodulating means thereby reading out a further one of the plurality of stored control programs in response to the second control command, and converting the further control program into the second control data.

9. (new) The receiving apparatus according to Claim 8, wherein said first main control means includes transferring means whereby the first control command is transmitted to said second main control means over a bus.

10. (new) The receiving apparatus according to Claim 9, wherein said bus is an IEEE 1394 serial bus.